

Governor's Office of Economic Development
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Utah Mining Association



Todd R. Bingham, President

OWA HISTORY

FOUNDED IN 1915

Housed in Kearns Building for nearly 70 years

REPRESENT ALL FACETS OF MINING
INDUSTRY.

COPPER, MOLYBDENUM, SILVER, GOLD
COAL, LIMESTONE, BERYLLIUM,
PHOSPHATE, POTASH, GILSONITE, SAL
OIL SHALE, OIL SANDS, ETC.

130 COMPANIES

MINING COMPANIES

SERVICE COMPANIES

LAW FIRMS

CIVIL ENGINEERING

Regulatory representation

Educational programs

Legislative Representation

Public Relations

Training (safety and Management)

Mining Industry

types of products do you use daily that are made from minerals?

- What in this room was not mined or grown?

How many devices use electricity in my home today?

IT all begins with mining

09, U.S. mining transformed raw earth into \$98.4 billion worth of finished mineral, metal and fuel products. These building block materials were further transformed by consuming industries into consumer and industrial goods creating an additional \$100 billion in value added by other mineral, metal and consuming industries.

MEMBER. There's more to mining than meets the eye

Where would we be without it?

g supports the very foundation of our economy. From the stone and gravel used to build roads and lay foundations for homes and buildings, to coal and uranium to generate more than half of the nation's electricity, the copper wire that connects billions of computers to the global social and commercial network, our economy and way of life depend on the vital resources provided by mining.

MEMBER. There's more to mining than meets the eye

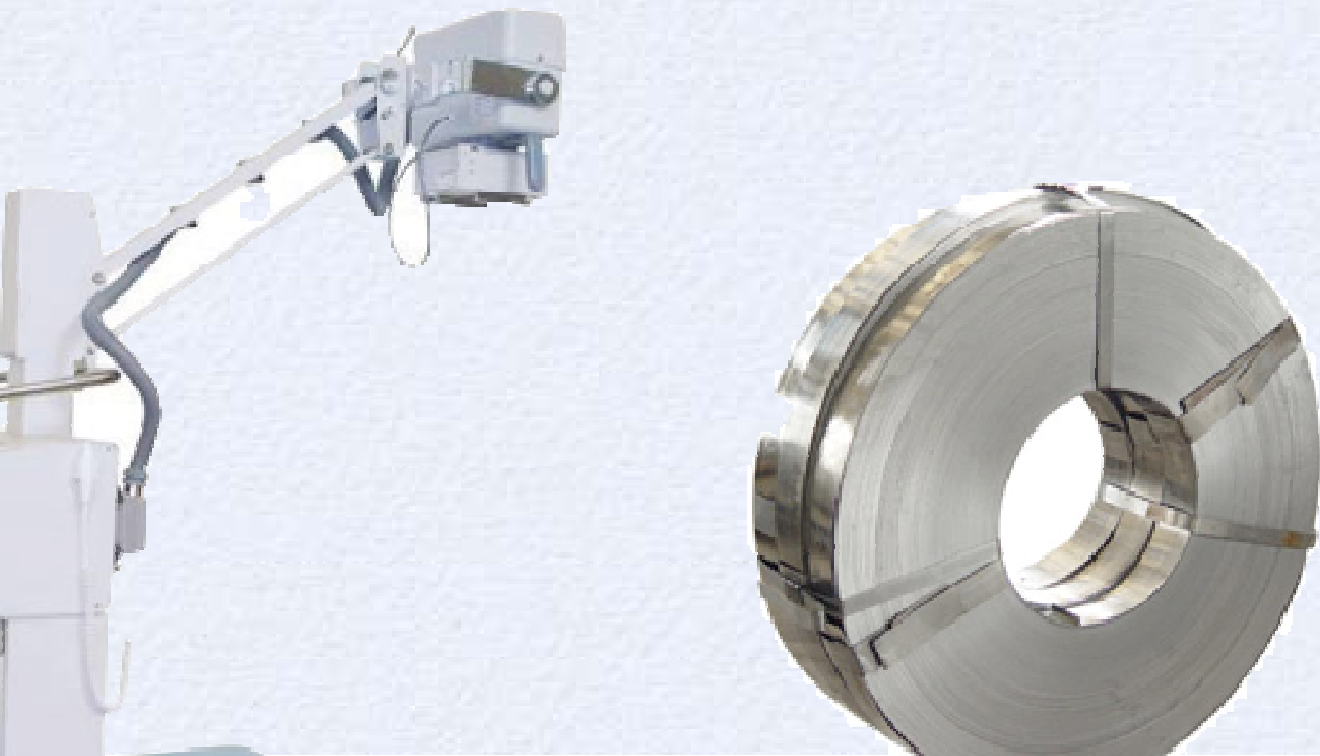
Technology

Regardless of your age, eliminating the minerals and coal that are mined, pressed, smelted or refined by the mining industry would mean that you would no longer be able to enjoy your LCD TV, satellite radio, IPOD... anything that requires electricity.

Mention your refrigerator, freezer, vehicle, boat, the building you live in, even your toothpaste. If you think about all the things that you use every day, you will discover for yourself the almost endless uses of metals, plastics, and paper, all of which depend upon mining for their existence.



Materials such as gypsum are used to produce wallboard in homes, cement from limestone is used to build our sidewalks. Gold is found in computers and medical equipment, and molybdenum is used to strengthen steel in automobiles, and they help provide for a clean environment.



Mining Industry

The mining industry is also one of the cornerstones of the American economy. The United States is the world's second largest producer of coal and gold.

The U.S. is the world's largest producer of clay, copper, gypsum, lithium, magnesium, phosphate, salt, silica and sulfur. Overall the U. S. produces 78 major commodities. As you can see, mining is a vital and critical part of the Utah and U.S. economy. So the next time you use one of your everyday devices that make your life easier

Mining Industry

- Mine 21 million tons of coal annually in Utah
- 86% percent is used for energy production
 - 2nd lowest energy rates in U.S.

COAL PRODUCES MORE THAN 50% OF U.S.
POWER





Mining Industry

Minerals in a Cell Phone

Aluminum (16 grams) ¹

Carbon (0.35 grams) ¹

Copper (0.034 grams) ¹

Gold (0.015 grams) ¹

Platinum (0.00034 grams) ¹

Electronic magnetic switches containing rare earth elements (unknown amt.) ²

Fluorine (unknown amt.) ²

Indium dioxide (unknown amt.) ²

Indium tin oxide (unknown amt.) ²



Winning Industry

and Materials in a Wind Turbine *Estimates for Vestas V90 3.0 MW turbine are as follows:*

tons of steel

tons of copper

tons of fiberglass

tons of aluminum

tons of reinforced concrete



Ram Pickup??



50 D L

Hybrid??



100 pounds

Mining Industry

Minerals in a Car

Iron & Steel

Aluminum

Carbon

Copper, 100lbs. for a hybrid

Silicon

Lead

Nickel

Manganese

Chromium

Cobalt

Magnesium

Sulfur

Tungsten

Neodymium

Titanium

Antimony, barium, beryllium, cobalt, chromium, gallium, gold, neodymium, indium,

rhodium, silver, strontium, tin, titanium, tungsten, zirconium.

Where would we be without it?

From the mid 1800's until today, mining in the state of Utah has played an intricate role in the development and economic growth of the state. To most people, mining is something they never experience firsthand; yet they benefit from the products of mining everyday of their lives. Without the hundreds of thousands of material benefits that come from the mining industry your world would be completely different from the way you now live.

QUESTIONS??

